

**AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listings, of claims in this application:

1. A detector comprising:

at least a first nanostructured surface having a plurality of nanostructures disposed thereon;

at least a first droplet of liquid;

at least a first reagent pixel; and

means for moving said at least a first droplet of liquid across said at least a first nanostructured surface in a way such that it contacts said at least a first reagent pixel.

2. The detector of claim 1 wherein said means for moving comprises said plurality of nanostructures, wherein the density of the nanostructures in said plurality of nanostructures is varied in a way such that said at least a first droplet of liquid moves toward the area on said at least a first nanostructured surface having the highest density of said nanostructures.

3. The detector of claim 1 wherein said means for moving comprises a plurality of electrodes disposed on said at least a first nanostructured surface in a way such that, upon sequentially applying a voltage to at least one of the electrodes in said plurality of electrodes, a droplet moves in a desired direction.

4. The detector of claim 1 wherein said at least a first droplet is a droplet of reagent.

5. The detector of claim 1 wherein said at least a first droplet is adapted to absorb particles disposed on the tips of said plurality of nanostructures, said nanostructures disposed on said at least a first nanostructured surface.

6. The detector of claim 5 wherein said at least a first droplet is further adapted to transport said particles to a desired destination such as a desired reagent pixel in an array of pixels on said at least a first nanostructured surface.

Cancel Claims 7-17.